Refine Search

Search Results -

Terms	Documents
L2 AND (business ADJ rule)	16

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L3

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Friday, August 19, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=NO; OP=OR			
L3	L2 AND (business ADJ rule)	16	L3
L2	L1 ANd (object-oriented OR (object ADJ oriented))	221	L2
L1	rules ANd (drop-down OR (drop ADJ down))	718	L1

END OF SEARCH HISTORY

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 16 of 16 returned.

☐ 1. Document ID: US 6898783 B1

L3: Entry 1 of 16 File: USPT May 24, 2005

US-PAT-NO: 6898783
DOCUMENT-IDENTIFIER: US 6898783 B1

TITLE: Object oriented based methodology for modeling business functionality for enabling implementation in a web based environment

DATE-ISSUED: May 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Arun K.	Easton	CT		
Uppal; Rajiv K.	Trumbull	CT		
Parikh; Devang I.	Bethel	CT		

US-CL-CURRENT: 717/105; 715/853, 717/108

ABSTRACT:

A method of defining Business Classes for modeling business activities comprising the steps of representing business activities as the interaction between one or more Business Classes, and entering into a computer and storing in an electronic format the Business Classes and the relationships existing between the Business Classes.

18 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D

☐ 2. Document ID: US 6853994 B1

L3: Entry 2 of 16 File: USPT Feb 8, 2005

US-PAT-NO: 6853994
DOCUMENT-IDENTIFIER: US 6853994 B1

TITLE: Object oriented based, business class methodology for performing data metric analysis

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Arun K.	Easton	CT		

US-CL-CURRENT: 707/6; 707/104.1

ABSTRACT:

A method for extracting desired data from a digital database comprising the steps of specifying desired data elements to be extracted from an operational database, generating executable code from the identified data elements for extracting the identified data elements from the database, and executing the executable code thereby extracting the identified data elements from the database.

14 Claims, 33 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 33

☐ 3. Document ID: US 6850922 B1

L3: Entry 3 of 16 File: USPT Feb 1, 2005

US-PAT-NO: 6850922
DOCUMENT-IDENTIFIER: US 6850922 B1

TITLE: Business logic support

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wason; James Richard	Tuxedo	NY		

US-CL-CURRENT: 706/47

ABSTRACT:

A mechanism to isolate and externalize the definition of business rules, and to support them using visual programming techniques (special editors for Java beans). This means that the rules can be set up by a business expert who does not need specialized programming skills. In addition, the Java beans are preferably implemented as dynamic Java beans.

14 Claims, 3 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

☐ 4. Document ID: US 6839701 B1

L3: Entry 4 of 16 File: USPT Jan 4, 2005

US-PAT-NO: 6839701
DOCUMENT-IDENTIFIER: US 6839701 B1

TITLE: Hitmask for querying hierarchically related content entities

DATE-ISSUED: January 4, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baer; William J.	San Jose	CA		
Hartman, Jr.; Robert C.	San Jose	CA		
Kao; I-Ming	San Jose	CA		
Murray; Janet L.	Los Gatos	CA		
Robertson, III; Jerry D.	San Jose	CA		

US-CL-CURRENT: 707/3; 707/2, 707/7, 715/515

ABSTRACT:

A web-based system, method and program product are provided for searching a content object (e.g., a custom compilation or prepublished work) stored in a data repository as a group of hierarchically related content entities. Each noncontainer content object is stored as a separate entity in the data repository. Each content entity is also stored as a row in a digital library index class as a collection of attributes and references to related content entities and containers. Each noncontainer content object is preferably stored as a separate entity in the data repository. Each content entity is also stored as a row in a digital library index class as a collection of attributes and references to related content entities. Each container and noncontainer is associated with a unique identifier that includes hierarchical information about its position in the hierarchy. Queries are executed on the hierarchical containers and noncontainers through an application or user-interface. The results of the independent searches are merged using hit masks. A hit mask is a string of bits, each bit representing a query. For each container and noncontainer in the result set, a hit mask is generated and ones of the bits are set to indicate which of the queries the container or noncontainer satisfies. Container hit masks are OR-ed with their child containers and/or noncontainers to reflect inheritance. Containers and noncontainers with all bits set comprise the merged result set.

21 Claims, 36 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 34

☑ 5. Document ID: US 6789252 B1

L3: Entry 5 of 16 File: USPT Sep 7, 2004

US-PAT-NO: 6789252
DOCUMENT-IDENTIFIER: US 6789252 B1

TITLE: Building business objects and business software applications using dynamic object definitions of ingrediential objects

DATE-ISSUED: September 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burke; Miles D.	Phoenix	AZ	85016	
Solar, Jr.; Richard J.	Phoenix	AZ	85018	

US-CL-CURRENT: 717/100; 717/103

ABSTRACT:

A method and system are provided for providing an open and extensible object definition framework that manages business object definitions as specifications. This framework may be used to dynamically define any object that is to be processed by a computer. Objects can include Properties, Classifications, Knowledge, Business Objects, and Business Rules to name a few. Some examples of typical Business Objects include: business and social entities; locations, including spaces, places and channels; activities, including events and processes; items, including products and services; and business records, including orders and other forms of demand, inventory, jobs, deliverables, statements, transaction history et. al. The method and system may be used to define any object that is to be processed by a computer. Objects can include Properties, Classifications, Knowledge, Business Objects, and Business Rules to name a few. Typical Business Objects include: Business and social entities; Locations including spaces, places, and channels; Activity including events and processes; Items including products and services; Business Records including orders and other forms of demand, inventory, jobs, deliverables, statements, transaction history et. al.

237 Claims, 127 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 72

☑ 6. Document ID: US 6718535 B1

L3: Entry 6 of 16 File: USPT Apr 6, 2004

US-PAT-NO: 6718535
DOCUMENT-IDENTIFIER: US 6718535 B1
**** See image for Certificate of Correction ****

TITLE: System, method and article of manufacture for an activity framework design in an e-commerce based environment

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 717/101; 717/120

ABSTRACT:

A system and method are provided for providing an activity framework. First, a plurality of sub-activities are created which each include sub-activity logic adapted to generate an output based on an input received from a user upon execution. Second, a plurality of activities are defined which each execute the sub-activities in a unique manner upon being selected for accomplishing a goal associated with the activity. Selection of one of the activities is allowed by receiving user indicia. An interface is depicted for allowing receipt of the input and display of the output during execution of the sub-activities associated with the selected activity.

24 Claims, 179 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 111

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 7. Document ID: US 6704873 B1

L3: Entry 7 of 16 File: USPT Mar 9, 2004

US-PAT-NO: 6704873
DOCUMENT-IDENTIFIER: US 6704873 B1

TITLE: Secure gateway interconnection in an e-commerce based environment

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 713/201; 709/223, 709/249

ABSTRACT:

A system and method of providing a global internetworking gateway architecture in an e-commerce environment are provided. A plurality of gateways each situated in a distinct geographic location are coupled to an internet. A wide area network, separate from the internet, is coupled to each of the gateways for providing communication between the wide area network and the internet. Coupled to the wide area network is a central database for providing a central storage for data used in e-commerce carried out over the internet. In one embodiment, at least one of the gateways includes at least one screening router coupled to the internet service

provider, at least one firewall connected to the screening router, and a choker router coupled between the wide area network and the firewall.

16 Claims, 179 Drawing figures
Exemplary Claim Number: 5
Number of Drawing Sheets: 111

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 8. Document ID: US 6684388 B1

L3: Entry 8 of 16 File: USPT Jan 27, 2004

US-PAT-NO: 6684388
DOCUMENT-IDENTIFIER: US 6684388 B1

TITLE: Method for generating platform independent, language specific computer code

DATE-ISSUED: January 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Arun K.	Easton	CT		
Uppal; Rajiv K.	Trumbull	CT		
Parikh; Devang I.	Bethel	CT		

US-CL-CURRENT: 717/136; 704/2, 706/46, 706/47, 706/60, 706/61, 717/106, 717/117, 717/137

ABSTRACT:

A method of generating language specific code comprising the steps of extracting neutral code from a knowledge base, preprocessing the neutral code, providing a code generator with the preprocessed neutral code and a target language in to which the preprocessed neutral code is to be translated, and processing the preprocessed neutral code by translating the neutral code into a target language code.

17 Claims, 20 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 17

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 9. Document ID: US 6633878 B1

L3: Entry 9 of 16 File: USPT Oct 14, 2003

US-PAT-NO: 6633878
DOCUMENT-IDENTIFIER: US 6633878 B1

TITLE: Initializing an ecommerce database framework

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 707/100; 707/1, 707/102, 707/205

ABSTRACT:

A system, method and article of manufacture are provided for initializing a database used with an issue tracker. The issue tracker receives information relating to a plurality of issues from a plurality of users, displays the information relating to the issues, and allows the browsing of the information relating to each of the issues. To initialize the database, the information relating to the issues is stored in a first database. A second database is also provided that stores tables including: a plurality of user interfaces; and/or application logic for accessing the information in the first database. The tables of the second database are reconfigured upon migrating the first database from a first folder to a second folder.

15 Claims, 179 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 111

☐ 10. Document ID: US 6611840 B1

L3: Entry 10 of 16 File: USPT Aug 26, 2003

US-PAT-NO: 6611840
DOCUMENT-IDENTIFIER: US 6611840 B1

TITLE: Method and system for removing content entity object in a hierarchically structured content object stored in a database

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baer; William J.	San Jose	CA		
Hanapole; Edward	Pine Brook	NJ		
Hartman, Jr.; Robert C.	San Jose	CA		
Hennessy; Richard D.	York	ME		
Johnson, Jr.; Eugene	Lexington	KY		
Kao; I-Ming	San Jose	CA		
Murray; Janet L.	Los Gatos	CA		
Robertson, III; Jerry D.	San Jose	CA		

Walkus; Richard W. Wayne NJ

US-CL-CURRENT: 707/102; 707/1, 707/100, 707/104.1, 715/501.1, 715/513

ABSTRACT:

A web-based system, method and program product are provided for adding content to a content object stored (e.g., a custom compilation or prepublished work) in a data repository as a group of hierarchically related content entities. Each noncontainer content object is preferably stored as a separate entity in the data repository. Each content entity is also stored as a row in a digital library index class as a collection of attributes and references to related content entities and containers. As the user selects desired objects for inclusion in a content object, the system arranges the objects hierarchically, e.g., into volumes, chapters and sections according to the order specified by the user. The system then creates a file object (e.g., a CBO) defining the content object that contains a list or outline of the container and noncontainer entities selected, their identifiers, order and structure. This file object is stored separately in the data repository. Content is removed from the compilation by removing the container or noncontainer identifier from the list or outline. This is achieved through a user interface by providing a mechanism for enabling a user to select a container or noncontainer (e.g., by title) to be removed.

39 Claims, 36 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 34

☐ 11. Document ID: US 6609128 B1

L3: Entry 11 of 16 File: USPT Aug 19, 2003

US-PAT-NO: 6609128
DOCUMENT-IDENTIFIER: US 6609128 B1

TITLE: Codes table framework design in an E-commerce architecture

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 707/10; 707/200

ABSTRACT:

A system, method and article of manufacture are provided for maintaining application consistency. First, a table of codes and associated text phrases are provided. Such table of codes is stored on a local storage medium within an e-commerce computer architecture. Next, the table of codes is accessed on the local storage medium within the e-commerce computer architecture. One of the text phrases is subsequently retrieved by selecting a corresponding one of the codes of the

table. During operation, modification of the text phrases associated with each of the codes of the table is permitted. A plurality of services are executed, including retrieving a single one of the text phrases, retrieving all of the text phrases in response to a single command, updating a single code and text phrase combination, updating all of the code and text phrase combinations, naming the table, adding a new code and text phrase combination, removing one of the code and text phrase combination, and adding another table.

15 Claims, 179 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 111

☐ 12. Document ID: US 6601233 B1

L3: Entry 12 of 16 File: USPT Jul 29, 2003

US-PAT-NO: 6601233
DOCUMENT-IDENTIFIER: US 6601233 B1
**** See image for Certificate of Correction ****

TITLE: Business components framework

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 717/102; 717/100, 717/101, 717/103, 717/104, 717/106, 717/107

ABSTRACT:

A method of generating software based on business components. A plurality of logical business components in a business are first defined with each business component having a plurality of capabilities. Next, functional interrelationships are identified between the logical business components. Code modules are then generated to carry out the capabilities of the logical business components and the functional interrelationships between the logical business components, wherein the code modules represent a transformation of the logical business components to their physical implementation, while ensuring the capabilities that are carried out by each code module are essentially unique to the logical business component associated with the code module. Next, the functional aspects of the code modules and the functional relationships of the code modules are tested. The code modules are then subsequently deployed in an e-commerce environment.

18 Claims, 177 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 111

☐ 13. Document ID: US 6591272 B1

L3: Entry 13 of 16 File: USPT Jul 8, 2003

US-PAT-NO: 6591272
DOCUMENT-IDENTIFIER: US 6591272 B1

TITLE: Method and apparatus to make and transmit objects from a database on a server computer to a client computer

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Williams; Mark	Capitola	CA		

US-CL-CURRENT: 707/102; 707/100, 707/101

ABSTRACT:

Contents of databases are translated into objects by reading the database schema metadata to determine data interrelationships and create objects with nominal human to computer interaction. Metadata for any number of databases is normalized in a standardized view. Skeleton code templates representative of final classes to be produced are accessed and merged with the standardized view. Source code for the class of the objects is then generated. At runtime, data objects are then produced by encapsulating the metadata and data values. Communication between database instances and a client computer consists of metadata and database row values., Rows from database tables and the corresponding metadata are transmitted from the server to the client computer in one logical network operation. The final distributed objects are then assembled into the optimal format required by the client computer. To update, delete or create new persistent objects, the reverse process occurs.

8 Claims, 22 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 22

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

☐ 14. Document ID: US 6574636 B1

L3: Entry 14 of 16 File: USPT Jun 3, 2003

US-PAT-NO: 6574636
DOCUMENT-IDENTIFIER: US 6574636 B1
**** See image for Certificate of Correction ****

TITLE: Method and article of manufacture for isolating data within a computer program

DATE-ISSUED: June 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Balon; Richard E.	Wheaton	IL		
Malik; Asif F.	Chicago	IL		
Wargin; Jeffrey M.	Chicago	IL		
Jackowski; Michael A.	Crystal Lake	IL		
Kennedy; Richard C.	Chicago	IL		
Navickas; Eduardo	Chicago	IL		

US-CL-CURRENT: 707/100, 711/144

ABSTRACT:

A computer program is provided for developing a component based software package. The program includes a data component that stores, retrieves and manipulates data utilizing a plurality of functions. Also provided is an adapter component that transmits and receives data to/from the data component. A business component is included that serves as a data cache and includes logic for manipulating the data. A controller component is also included which is adapted to handle events generated by a user utilizing the business component to cache data and the adapter component to ultimately persist data to a data repository.

20 Claims, 12 Drawing figures
Exemplary Claim Number: 12
Number of Drawing Sheets: 12

☐ 15. Document ID: US 6523027 B1

L3: Entry 15 of 16 File: USPT Feb 18, 2003

US-PAT-NO: 6523027
DOCUMENT-IDENTIFIER: US 6523027 B1
**** See image for Certificate of Correction ****

TITLE: Interfacing servers in a Java based e-commerce architecture

DATE-ISSUED: February 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Underwood; Roy Aaron	Long Grove	IL		

US-CL-CURRENT: 707/4; 707/10, 707/100

ABSTRACT:

A system, method and article of manufacture are provided for providing an interface between a first server and a second server with a proxy component situated therebetween. Initially, a request for a business object is identified by an application on the first server. The first server is then connected to the second

server. Next, selection criteria from the first server is transmitted to the second server. In response to the selection criteria, the first server receives a first recordset and a second recordset from the second server. Business data is included in the first recordset and result codes are included in the second recordset. The first and second recordsets are mapped to the business object and the business object is sent to the application on the first server.

18 Claims, 179 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 111

☐ 16. Document ID: US 6449627 B1

L3: Entry 16 of 16 File: USPT Sep 10, 2002

US-PAT-NO: 6449627
DOCUMENT-IDENTIFIER: US 6449627 B1
**** See image for Certificate of Correction ****

TITLE: Volume management method and system for a compilation of content

DATE-ISSUED: September 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baer; William J.	San Jose	CA		
Barker; James A.	University Heights	OH		
Hanapole; Edward	Pine Brook	NJ		
Hartman, Jr.; Robert C.	San Jose	CA		
Johnson, Jr.; Eugene	Lexington	KY		
Kao; I-Ming	San Jose	CA		
Murray; Janet L.	Los Gatos	CA		
Robertson, III; Jerry D.	San Jose	CA		
Walkus; Richard W.	Wayne	NJ		

US-CL-CURRENT: 715/514; 715/515, 715/530

ABSTRACT:

A web-based system, method and program product are provided for adding content to a content object stored (e.g., a custom compilation or prepublished work) in a data repository as a group of hierarchically related content entities. Each noncontainer content object is preferably stored as a separate entity in the data repository. Each content entity is also stored as a row in a digital library index class as a collection of attributes and references to related content entities and containers. As the user selects desired objects for inclusion in a content object, the system arranges the objects hierarchically, e.g., into volumes, chapters and sections according to the order specified by the user. The system then creates a file object (e.g., a CBO) defining the content object that contains a list or outline of the container and noncontainer entities selected, their identifiers, order and

structure. This file object is stored separately in the data repository. The content is hierarchical in nature. Accordingly, entities at each level of the hierarchy except the lowest are defined by "containers". For example, in the case of textual content, the hierarchical structure of the data may include book containers, volume containers, chapter containers, and subsections (noncontainers) because they are at the leaf level of the hierarchy). As an aspect of the invention, the maximum size of a container may specified. For example, the volume size in a custom book is preferably determined using a threshold value defining maximum amount of content allowable for that container, and a procedure is provided for managing content entities and containers to maintain this maximum.

9 Claims, 36 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 34

Terms	Documents
L2 AND (business ADJ rule)	16